



DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO

GOVERNOR

MIKE D. McDANIEL, Ph.D.

SECRETARY

Certified Mail No.

Activity No.: PER20020002

Agency Interest No. 9154

Mr. Kent Shepherd
General Manager
Shaw Sunland Fabricators, Inc.
30103 Sunland Drive
Walker, LA 70785

RE: Part 70 Operating Permit Renewal and Modification, Shaw Sunland Fabricators, Inc.
Walker Facility, Walker, Livingston Parish, Louisiana

Dear Shepherd:

This is to inform you that the permit renewal and modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the _____ of _____, 2012, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2007

Permit No.: 1740-00040-V2

Sincerely,

Chuck Carr Brown Ph.D.

Assistant Secretary

CCB:mb

c: EPA Region VI

ENVIRONMENTAL SERVICES

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**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Walker Facility
Agency Interest No.: 9154
Shaw Sunland Fabricators, Inc.
Walker, Livingston Parish, Louisiana**

I. Background

The Shaw Group, Inc., owns and operates Shaw Sunland Fabricators, Inc., Walker Facility, an existing pipe fabrication facility in Walker, LA. The facility currently operates under Permit No. 1740-00040-V1, issued July 23, 1998.

This is the Part 70 operating permit for the facility.

II. Origin

A permit application and Emission Inventory Questionnaire dated July 30, 2002 were submitted by Shaw Sunland Fabricators, Inc. requesting a Part 70 operating permit renewal and modification. Nine additional information updates were received, with the latest information dated March 15, 2007.

III. Description

Sunland Fabricators, Inc. manufactures piping systems used in industrial applications. The pipes are created by using sheet steel which is then cut, formed, and welded. The newly formed pipes are then taken to remove rust during blast cleaning using Black Beauty and Steel Shot. The final step in the process for the pipes is surface coating. The completed units are then shipped to the purchaser.

This permit is to renew and modify the existing permit while also proposing new sources at the facility. Through the latest revision, Shaw Sunland proposes the following modifications:

- Addition of 26 new welding machines under Emission Point Number (EPN 3). The welding rod consumption will increase by 65% based on the increased number of welding machines with all other variables remaining constant.
- A new plasma cutter will be added, in the Yuba Building, to supplement the existing plasma cutters that are located in the Main Fabrication Shop (EPN 11). This also includes increased operating time to meet demands of the facility.
- There will be an increase in production for EPN 1A Outdoor Blast Cleaning, EPN 1B Enclosed Blast Cleaning, and EPN 2 Coating Operations. The operating time will increase to meet the demands of the facility.
- Addition and revision of TAPs from all emission points.

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Estimated emissions in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	3.82	53.9	+50.08
SO ₂	0.04	0.7	+0.66
NO _x	6.68	13.9	+7.22
CO	1.34	3.9	+2.56
VOC	88.37	75.11	-13.26

LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
Benzene	-	0.150	+0.15
Butyl Alcohol	-	10.90	+10.90
Carbon tetrachloride	-	<0.01	+0.01
Cumene	-	0.90	+0.90
Dichlorobenzene	-	<0.01	+0.01
Ethyl Benzene	3.12	5.60	+2.48
Glycol Ethers	-	2.55	+2.55
Formaldehyde	-	0.04	+0.044
Hexane	-	0.08	+0.084
Methanol	7.826	2.83	-4.996
Methyl Ethyl Ketone	7.81	0.95	-6.86
Methyl Isobutyl Ketone	-	3.82	+3.82
Naphthalene	-	1.07	+1.07
Toluene	7.888	18.79	+10.902
Xylenes	15.62	26.60	+10.98
Other TAPs	0.01	1.10	+1.09
PAH	-	<0.01	+0.01
Arsenic	-	<0.01	+0.01

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LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
Barium	-	<0.01	+0.01
Beryllium	-	<0.01	+0.01
Cadmium	-	<0.01	+0.01
Chromium VI	-	3.03	+3.03
Cobalt	-	<0.01	+0.01
Copper	-	0.011	+0.011
Lead	-	<0.01	+0.01
Manganese	-	0.712	+0.712
Mercury	-	<0.01	+0.01
Nickel	-	1.562	+1.562
Selenium	-	<0.01	+0.01
Zinc	-	0.01	+0.01
Hydrochloric Acid	-	0.04	+0.04
Total TAPs	42.274	80.873	+38.599

IV. Type of Review

This permit was reviewed for compliance with the Louisiana Air Quality Regulations and National Emission Standards for Hazardous Air Pollutants (NESHAP). New Source Performance Standards (NSPS), Nonattainment New Source Review (NNSR) and Prevention of Significant Deterioration (PSD) do not apply.

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

NNSR Netting Analysis							
Pollutant	Potential Emissions (tpy)	Actual Emissions			Netting (tpy)	Significant Threshold (tpy)	Major Mod
		2005 (tpy)	2006 (tpy)	2-Yr. Avg (tpy)			
VOC	75.06	38.7	35.6	37.2	37.89	40	No

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Sunland Fabricators, Inc. shall comply with the applicable provisions of the National Emissions Standards for Organic Hazardous Air Pollutants, 40 CFR 63 Subpart MMMM Miscellaneous Metal Parts Surface Coating and perform Good Housekeeping Practices as MACT under LAC 33:III.5109.A.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 2007; and in the *Livingston Parish News*, Denham Springs, on <date>, 2007. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>, 2007. The draft permit was also submitted to US EPA Region VI on <date>, 2007. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Dispersion Model(s) Used: None

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Toxic Air Pollutant Ambient Air Quality Standard or (National Ambient Air Quality Standard {NAAQS})

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VIII. General Condition XVII Activities

Work Activity	Schedule	PM ₁₀	Emission Rates - tons			
			SO ₂	NO _X	CO	VOC
None						

IX. Insignificant Activities

ID No.:	Description	Citation
	Gas Central Heating Unit	LAC 33:III.501.B.5.A.1.
	Off-road Diesel storage tank 2,000 gallon	LAC 33:III.501.B.5.A.3.
	On-road Diesel storage tank 1,000 gallon	LAC 33:III.501.B.5.A.3.
	Kerosene storage tank 1000 gallon	LAC 33:III.501.B.5.A.3.
	Motor Oil storage tank 3@55 gallon	LAC 33:III.501.B.5.A.3.
	Hydraulic Oil storage tank 5@55 gallon	LAC 33:III.501.B.5.A.3.
	Gear Oil storage tank 1@55 gallon	LAC 33:III.501.B.5.A.3.
	Used Oil storage tank 5@55 gallon	LAC 33:III.501.B.5.A.3.
	Transmission Oil storage tank 1@55 gallon	LAC 33:III.501.B.5.A.3.
	Antifreeze storage tank 1@55 gallon	LAC 33:III.501.B.5.A.3.
	Used Antifreeze storage tank 1@55 gallon	LAC 33:III.501.B.5.A.3.
	Paint Booth Heaters 0.7 MMBTU/hr	LAC 33:III.501.B.5.A.5.
	Steam Cleaners 2@ 0.25 MMBTU/hr	LAC 33:III.501.B.5.A.5.
	Shop Gas Heaters 0.01 MMBTU/hr	LAC 33:III.501.B.5.A.5.
	Kerosene Heaters 0.03 MMBTU/hr	LAC 33:III.501.B.5.A.5.
	Natural Gas Water Heaters (2)	LAC 33:III.501.B.5.A.5.
	Portable Gasoline Tank 1000 gallons	LAC 33:III.501.B.5.A.8.
	Portable Gasoline Tank 500 gallons	LAC 33:III.501.B.5.A.8.
	Gasoline storage tank 500 gallons	LAC 33:III.501.B.5.D.
	Solvent Totes 2 – 450 gallon	LAC 33:III.501.B.5.D.
	Solvent Drum 2 – 55 gallon drums	LAC 33:III.501.B.5.D.

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Paint Waste 3 – 55 gallon drums	LAC 33:III.501.B.5.D.
Cooling Tower	LAC 33:III.501.B.5.D.
Oil water separator	LAC 33:III.501.B.5.D.
LPG Tanks and Piping	LAC 33:III.501.B.5.D.
Natural Gas Piping fugitives	LAC 33:III.501.B.5.D.
Outdoor Blast Media Storage Silo	LAC 33:III.501.B.5.D.

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III Chapter																		
		5▲	509	9	11	13	15	2103	2104*	2107	2111	2123	2131	2135	2151	29*	51*	53*	56	59*
GRP 2	Entire Facility	1		1	1	1	1									1	1	1	1	
ARE 6	1A - Outdoor Blast Cleaning	1																		
EQT 1	1B - Enclosed Blast Cleaning	1																		
ARE 7	2 - Coating Operations (painting)	1									1						1			
ARE 8	3 - Welding Operations																	1		
FUG 1	4 - Fugitive Road emissions	1																		
EQT 2	5A - Small Wheelabrator	1																		
EQT 3	5B - Large Wheelabrator	1																		
EQT 4	6A - Pipe Stress Relief Furnace																1			
EQT 5	6B - Pipe Stress Relief Furnace																	1		
ARE 9	7 - Spray Gun Cleaning															2	1			
ARE 10	8 - Coating Operations (epoxy)															1				
EQT 6	9 - Metalizing	1																1		
EQT 7	10 - Gasoline Tank															2				
ARE 11	11 - Cutting Operations																	1		

* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.
- 2 - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 3 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 4 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank - The regulations clearly do not apply to this type of emission source.

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR	
		A	K	Ka	Kb	Db	Dc	GG	KKK	III	A	J	M	A	HH	JJ	MMMM	68	82		
GRP 2	Entire Facility																				
ARE 6	1A - Outdoor Blast Cleaning																				
EQT 1	1B - Enclosed Blast Cleaning																				
ARE 7	2 - Coating Operations (painting)																				1
ARE 8	3 - Welding Operations																				
FUG 1	4 - Fugitive Road emissions																				
EQT 2	5A - Small Wheelabrator																				
EQT 3	5B - Large Wheelabrator																				
EQT 4	6A - Pipe Stress Relief Furnace																				
EQT 5	6B - Pipe Stress Relief Furnace																				
ARE 9	7 - Spray Gun Cleaning																				1
ARE 10	8 - Coating Operations (epoxy)																				1
EQT 6	9 - Metalizing																				1
EQT 7	10 - Gasoline Tank																				2
ARE 11	11 - Cutting Operations																				

KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.
 - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
 - 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
 - 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.
- Blank – The regulations clearly do not apply to this type of emission source.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
ARE 9 Spray Gun Cleaning Operation	Control of Emissions of Organic Compounds [LAC 33:III.2151.A]	EXEMPT. Source emits less than 25 TPY of VOCs, and is exempt.
EQT 7 Gasoline Tank	Control of Emissions of Organic Compounds [LAC 33:III.2131.A] NSPS Subpart Kb Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60 Subpart Kb]	EXEMPT. Annual throughput is less than 120,000 gallons per year, and 30-day rolling average is less than 10,000 gallons. DOES NOT APPLY. The storage capacity of the tank is less than 19,812 gallons.
EQT 4, EQT 5 Pipe Stress Relief Furnaces	Emission Standards for Sulfur Dioxide Emission Limitations [LAC 33:III.1503.C] Emission Standards for Sulfur Dioxide Continuous Emissions Monitoring [LAC 33:III.1511.A]	EXEMPT. Each unit emits less than 250 tons of SO ₂ per year, and is exempt from LAC 33:III.1503.C. Unit emits less than 100 tons per year and is exempt from continuous monitoring. Record and retain at the site for at least 2 years the data required to demonstrate exemption from SO ₂ standards of Chapter 15. Compliance data shall be reported annually in accordance with LAC 33:III.918.

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
 - 1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
 - 2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 - 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and

40 CFR PART 70 GENERAL CONDITIONS

4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
 1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
[Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an

40 CFR PART 70 GENERAL CONDITIONS

emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]

- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
 - 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 - 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 - 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
 - 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 - 5. changes in emissions would not qualify as a significant modification; and
 - 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
 - 1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

40 CFR PART 70 GENERAL CONDITIONS

3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]

40 CFR PART 70 GENERAL CONDITIONS

- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated July 30, 2002, along with the latest supplemental information dated March 15, 2007.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.
This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 - C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
 1. Report by June 30 to cover January through March
 2. Report by September 30 to cover April through June
 3. Report by December 31 to cover July through September
 4. Report by March 31 to cover October through December

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]
- These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.
- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:
- Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302
- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 9154 Shaw Sunland Fabricators Inc
Activity Number: PER20020002
Permit Number: 1740-00040-V2
Air - Title V Regular Permit Renewal

Also Known As:	ID	Name	User Group	Start Date
	1740-00040	Shaw Sunland Fabricators Inc	CDS Number	08-05-2002
	1740-0040	Shaw Sunland Fabricators Inc	Emission Inventory	03-03-2004
	72-1239935	Sunland Fabricators Inc	Federal Tax ID	06-07-2000
	LAD118972231	Sunland Fabricators Inc	Hazardous Waste Notification	01-09-1990
	LAG-80247	LPDES Permit #	LPDES Permit #	08-08-2004
	LAR05M699	WPC File Number	Priority 2 Emergency Site	05-22-2003
		Priority 2 Emergency Site	Radiation License Number	07-20-2006
		Radioactive Material License	State Tax ID	06-07-2000
		Shaw Sunland Fabricators Inc	Toxic Emissions Data Inventory #	05-27-1993
		Toxic Emissions Data Inventory #	Toxic Release Inventory	01-01-1998
	LA-3462-L01	TRI #	Waste Tire Facility ID Number	07-19-2004
	8199747001W	Waste Tires		05-27-2005
Physical Location:	30103 Sunland Dr		Main FAX:	2256675983
	Walker, LA 70785		Main Phone:	2256671000
Mailing Address:	30103 Sunland Dr			
	Walker, LA 70785			
Location of Front Gate:	30° 31' 12" 12 hundredths latitude, 90° 50' 15" 36 hundredths longitude,	Coordinate Method: Interpolation - Map,	Coordinate Datum: NAD27	
Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Mike Broudeaux	30103 Sunland Dr Walker, LA 70785	2256671000 (WP)	Employed by
	Ernest Guidry	30103 Sunland Dr Walker, LA 70785	2259219188 (CP)	Radiation Safety Officer for
	Ernest Guidry	30103 Sunland Dr Walker, LA 70785	2257913363 (WP)	Radiation Safety Officer for
	Ernest Guidry	30103 Sunland Dr Walker, LA 70785	2256675983 (WF)	Radiation Safety Officer for
	Ernest Guidry	30103 Sunland Dr Walker, LA 70785	ernest.guidry@shaw	Radiation Safety Officer for
	John Mollere	30103 Sunland Dr Walker, LA 70785	5046671000 (WP)	Accident Prevention Contact for
	John Mollere	30103 Sunland Dr Walker, LA 70785	5046671000 (WP)	Accident Prevention Billing Party for
	Kent Shepherd	30103 Sunland Dr Walker, LA 70785	2256671000 (WP)	Owns
	Kent Shepherd	30103 Sunland Dr Walker, LA 70785	2256671000 (WP)	Waste Tires Contact for
Related Organizations:	Name	Address	Phone (Type)	Relationship
	Shaw Sunland Fabricators Inc	30103 Sunland Dr Walker, LA 70785	5046671000 (WP)	Radiation License Billing Party for
	Shaw Sunland Fabricators Inc	30103 Sunland Dr Walker, LA 70785	5046671000 (WP)	Air Billing Party for

General Information

AI ID: 9154 Shaw Sunland Fabricators Inc
Activity Number: PER20020002
Permit Number: 1740-00040-V2
Air - Title V Regular Permit Renewal

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 9154 - Shaw Sunland Fabricators Inc
 Activity Number: PER20020002
 Permit Number: 1740-00040-V2
 Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
ARE006	1A - Outdoor Blast Cleaning	25 tons/hr	10 tons/hr			8760 hr/yr (All Year)
ARE007	2 - Coating Operations (painting)	30 gallons/hr	15 gallons/hr			8760 hr/yr (All Year)
ARE008	3 - Welding Operations (manual & robotic)	260 lb/hr	130 lb/hr			8760 hr/yr (All Year)
ARE009	7 - Spray Gun Cleaning Operation	20000 gallons/yr	20000 gallons/yr			8760 hr/yr (All Year)
ARE010	8 - Coating Operation (fusion bonding epoxy)	217 lb/hr	156 lb/hr			960 hr/yr (All Year)
ARE011	11 - Cutting Operations	25 tons/hr	10 tons/hr			8760 hr/yr (All Year)
EQT001	1B - Enclosed Blast Cleaning	75 tons/hr	39 tons/hr			8760 hr/yr (All Year)
EQT002	5A - Small Wheelabrator	250 tons/hr	105 tons/hr			8760 hr/yr (All Year)
EQT003	5B - Large Wheelabrator	12 MM BTU/hr	12 MM BTU/hr			8760 hr/yr (All Year)
EQT004	6A - Pipe Stress Relief Furnace	12 MM BTU/hr	12 MM BTU/hr			8760 hr/yr (All Year)
EQT005	6B - Pipe Stress Relief Furnace	15 lb/hr	10 lb/hr			960 hr/yr (All Year)
EQT006	9 - Metalizing	1000 gallons	20000 gallons/yr			8760 hr/yr (All Year)
EQT007	10 - Gasoline Tank					8760 hr/yr (All Year)
FUG001	4 - Fugitive Road emissions					8760 hr/yr (All Year)

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP002	Entire Facility	ARE6 1A - Outdoor Blast Cleaning
GRP002	Entire Facility	ARE7 2 - Coating Operations (painting)
GRP002	Entire Facility	ARE8 3 - Welding Operations (manual & robotic)
GRP002	Entire Facility	ARE9 7 - Spray Gun Cleaning Operation
GRP002	Entire Facility	ARE10 8 - Coating Operation (fusion bonding epoxy)
GRP002	Entire Facility	ARE11 11 - Cutting Operations
GRP002	Entire Facility	EQT1 1B - Enclosed Blast Cleaning
GRP002	Entire Facility	EQT2 5A - Small Wheelabrator
GRP002	Entire Facility	EQT3 5B - Large Wheelabrator
GRP002	Entire Facility	EQT4 6A - Pipe Stress Relief Furnace
GRP002	Entire Facility	EQT5 6B - Pipe Stress Relief Furnace
GRP002	Entire Facility	EQT6 9 - Metalizing
GRP002	Entire Facility	EQT7 10 - Gasoline Tank
GRP002	Entire Facility	FUG1 4 - Fugitive Road emissions

Relationships:

Stack Information:

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
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INVENTORIES

AI ID: 9154 - Shaw Sunland Fabricators Inc
 Activity Number: PER20020002
 Permit Number: 1740-00040-V2
 Air - Title V Regular Permit Renewal

Stack Information:

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
EQT004	6A - Pipe Stress Relief Furnace	15.75	4250	4.5	22	900
EQT005	6B - Pipe Stress Relief Furnace	15.75	4250	4.5	22	900

Fee Information:

Subj Item Id	Multiplier	Units Of Measure	Fee Desc
GRP002	1		1060 - Fabricated Plate Work with 5 or More Welders

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 9154 - Shaw Sunland Fabricators Inc
 Activity Number: PER20020002
 Permit Number: 1740-00040-V2
 Air - Title V Regular Permit Renewal

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 006 ^{1A}	6.80	17.00	29.80												
ARE 007 ²	0.048	0.33	0.21												15.60
ARE 008 ³	0.300	0.590	0.650												105.00
ARE 009 ⁷															68.30
ARE 010 ⁸	2.49	3.47	1.20												
ARE 011 ¹¹	4.170	4.930	15.00	<	0.001	<	0.001	<	0.01	2.210	2.260	9.30	0.007	0.014	0.03
EQT 001 ^{1B}	0.14	0.35	0.61												0.004
EQT 002 ^{5A}	0.130	0.260	0.58												0.01
EQT 003 ^{5B}	0.360	0.850	1.66												
EQT 004 ^{6A}	0.040	0.090	0.18	0.080	0.180	0.33	0.530	1.180	2.32	0.440	0.990	1.95	0.030	0.060	0.13
EQT 005 ^{6B}	0.040	0.090	0.18	0.080	0.170	0.33	0.530	1.180	2.32	0.440	0.990	1.95	0.030	0.060	0.13
EQT 006 ⁹	<	0.001	<	0.001	0.01										
EQT 007 ¹⁰															0.129
FUG 001 ⁴	0.890	0.890	3.90												0.56

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Phase Totals:

PM10: 53.9 tons/yr
 SO2: 0.7 tons/yr
 NOx: 13.9 tons/yr
 CO: 3.9 tons/yr

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 9154 - Shaw Sunland Fabricators Inc

Activity Number: PER20020002

Permit Number: 1740-00040-V2

Air - Title V Regular Permit Renewal

All phases

VOC: 75.11 tons/yr

Emission rates Notes:

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 9154 - Shaw Sunland Fabricators Inc

Activity Number: PER20020002

Permit Number: 1740-000040-V2

Air - Title V Regular Permit Renewal

All phases

Arsenic (and compounds)				Barium (and compounds)				Benzene				Beryllium (Table 51.1)				Cadmium (and compounds)			
Subject Item	Avg lb/hr	Max lb/hr	Tons/year	Avg lb/hr	Max lb/hr	Tons/year	Avg lb/hr	Max lb/hr	Tons/year	Avg lb/hr	Max lb/hr	Tons/year	Avg lb/hr	Max lb/hr	Tons/year	Avg lb/hr	Max lb/hr	Tons/year	
ARE 007 2							0.110	0.220	0.15										
ARE 008 3																			
ARE 009 7																			
ARE 011 11	< 0.001	0.015	< 0.01																
EQT 004 6A	< 0.001	< 0.001	< 0.01	< 0.001	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	
EQT 005 6B	< 0.001	< 0.001	< 0.01	< 0.001	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 9154 - Shaw Sunland Fabricators Inc

Activity Number: PER20020002

Permit Number: 1740-00040-V2

Air - Title V Regular Permit Renewal

All phases

Carbon tetrachloride							Chromium VI (and compounds)							Cobalt compounds							Cumene						
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year						
ARE 007 2	0.001	0.002	< 0.01				< 0.001	< 0.001	< 0.01	0.008	0.008	0.016	0.01	0.01	0.016	0.01	0.01	0.700	0.700	1.390	0.900						
ARE 008 3				0.001	0.001	< 0.01	< 0.01	< 0.001	< 0.01																		
ARE 009 7																											
ARE 011 11				0.692	0.692	3.03	< 0.001	< 0.001	< 0.01																		
EQT 004 6A					< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001						
EQT 005 6B					< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001							

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 9154 - Shaw Sunland Fabricators Inc

Activity Number: PER20020002

Permit Number: 1740-00040-V2

Air - Title V Regular Permit Renewal

All phases

Subject Item	Dichlorobenzene			Ethyl benzene			Formaldehyde			Glycol ethers (Table 51.3)			Hydrochloric acid		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 007 2			4.310	8.610	5.60	0.031	0.062	0.04	1.960	3.930	2.55	0.029	0.057	0.04	
ARE 008 3															
ARE 009 7															
ARE 011 11															
EQT 004 ea	< 0.001	< 0.001	< 0.01				< 0.001	0.001	< 0.01						
EQT 005 eb	< 0.001	< 0.001	< 0.01				< 0.001	0.001	< 0.01						

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 9154 - Shaw Sunland Fabricators Inc
 Activity Number: PER20020002
 Permit Number: 1740-00040-V2
 Air - Title V Regular Permit Renewal

All phases

Lead compounds			Manganese (and compounds)			Mercury (and compounds)			Methanol			Methyl ethyl ketone			
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 007				0.004	0.008	0.01				1.470	2.940	1.91	0.733	1.470	0.95
2				0.017	<	0.034	0.037								
ARE 008															
3															
ARE 009										0.310	0.920	0.92			
7															
ARE 011	<	0.001	<	0.01	0.160	0.300	0.67								
11															
EQT 004	<	0.001	<	0.001	<	0.001	<	0.01	<	0.001	<	0.001	<	0.01	
6A															
EQT 005	<	0.001	<	0.001	<	0.001	<	0.01	<	0.001	<	0.001	<	0.01	
6B															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 9154 - Shaw Sunland Fabricators Inc

Activity Number: PER20020002

Permit Number: 1740-00040-V2

Air - Title V Regular Permit Renewal

All phases

Subject Item	Methyl isobutyl ketone			Naphthalene			Nickel (and compounds)			Polynuclear Aromatic Hydrocarbons			Selenium (and compounds)		
	Avg lbs/hr	Max lbs/hr	Tons/Year	Avg lbs/hr	Max lbs/hr	Tons/Year	Avg lbs/hr	Max lbs/hr	Tons/Year	Avg lbs/hr	Max lbs/hr	Tons/Year	Avg lbs/hr	Max lbs/hr	Tons/Year
ARE 007 2	2.930	5.870	3.81	0.820	1.640	1.07	0.008	0.016	0.01						
ARE 008 3							< 0.001	0.001	< 0.01						
ARE 009 7															
ARE 011 11							0.370	1.020	1.55				0.004	0.015	< 0.01
EQT 004 6A							< 0.001	< 0.001	< 0.01	< 0.001	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001
EQT 005 6B							< 0.001	< 0.001	< 0.01	< 0.001	< 0.01	< 0.001	< 0.001	< 0.001	< 0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 9154 - Shaw Sunland Fabricators Inc
 Activity Number: PER2002002
 Permit Number: 1740-00040-V2
 Air - Title V Regular Permit Renewal

All phases

Toluene			Xylene (mixed isomers)			Zinc (and compounds)			n-Hexane			n-butyl alcohol			
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	
ARE 007 2	10.600	21.200	13.80	20.500	41.000	26.60	0.007	0.013	0.01				8.400	16.800	10.90
ARE 008 3															
ARE 009 7	1.660	4.990	4.99												
ARE 011 11															
EQT 004 6A	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.001	0.010	0.021	0.04			
EQT 005 6B	< 0.001	< 0.001	< 0.01				< 0.001	< 0.001	< 0.001	0.010	0.021	0.04			

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Parameter Totals:

Benzene: 0.15 tons/yr

Chromium VI (and compounds): 3.03 tons/yr

Cumene: 0.90 tons/yr

Dichlorobenzene: <0.01 tons/yr

Ethyl benzene: 5.60 tons/yr

Formaldehyde: 0.04 tons/yr

Manganese (and compounds): 0.712 tons/yr

Methanol: 2.83 tons/yr

Methyl ethyl ketone: 0.95 tons/yr

Methyl isobutyl ketone: 3.82 tons/yr

n-butyl alcohol: 10.90 tons/yr

n-Hexane: 0.08 tons/yr

Naphthalene: 1.07 tons/yr

Nickel (and compounds): 1.562 tons/yr

Polynuclear Aromatic Hydrocarbons: <0.01 tons/yr

Toluene: 18.79 tons/yr

Xylene (mixed isomers): 26.60 tons/yr

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

All ID: 9154 - Shaw Sunland Fabricators Inc

Activity Number: PER20020002

Permit Number: 1740-00040-V2

Air - Title V Regular Permit Renewal

All phases

Emission Rates Notes:

SPECIFIC REQUIREMENTS

AI ID: 9154 - Shaw Sunland Fabricators Inc
Activity Number: PER20020002
Permit Number: 1740-00040-V2
Air - Title V Regular Permit Renewal

ARE006 1A - Outdoor Blast Cleaning

- 1 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305]
- 2 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- 3 Coal Slag Throughput <= 87600 tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if Coal Slag throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
- 4 Which Months: All Year Statistical Basis: Six-minute average Throughput recordkeeping by invoices/bills of lading monthly. Keep records of the total Coal Slag throughput in tons for each month, as well as the total Coal Slag throughput in tons per year for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
- 5 Throughput Submit report: Due annually, by the 31st of March. Report the Coal Slag throughput in tons per year for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 6 Throughput monitored by inventory records and calculations monthly. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified

ARE007 2 - Coating Operations (painting)

- 7 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305]
- 8 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- 9 Reduce emissions, where feasible, by incineration, provided 90 percent of the carbon in the organic compounds being incinerated is oxidized to carbon dioxide (except as provided in LAC 33:III.2123.D); carbon adsorption of the organic compounds; or any other equivalent means as may be approved by DEQ. [LAC 33:III.2123.A]
- 10 VOC, Total <= 3.5 lb/gal of coating as applied (minus water and exempt solvent). [LAC 33:III.2123.C]
- 11 Which Months: All Year Statistical Basis: Daily average Determine compliance by the procedure specified in "Control of Volatile Organic Emissions for Existing Stationary Sources. Vol. 2-Surface Coating of Cans, Coils, Paper, Fabric, Autos and Lt. Duty Trucks", (EPA 450/2-77-008), the procedures specified in "Measurement of Volatile Organic Compounds" (EPA-450/2-78-041), a method approved by DEQ or certification from the paint manufacturer concerning the solvent makeup of the paint. Treat exempt solvents the same as water in calculating the VOC content per gallon of coating. [LAC 33:III.2123.D.3]
- 12 Determine compliance with LAC 33:III.2123.A, C, and D by applying the test methods specified in LAC 33:III.2123.E.1 through E.6, as appropriate. [LAC 33:III.2123.E]
- 13 Paint Throughput recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4 to verify compliance with LAC 33:III.2123. Maintain records for at least two years. [LAC 33:III.2123.F]
- 14 Comply with the requirements of LAC 33:III.2123 as soon as practicable, but in no event later than one year from the promulgation of the regulation revision, if subject to LAC 33:III.2123 as a result of a revision of LAC 33:III.2123. [LAC 33:III.2123.H]
- 15 Paint Throughput monitored by calculations daily. [LAC 33:III.501.C.6]
- 16 Paint Throughput recordkeeping by electronic or hard copy monthly. Keep records of the total paint throughput each month, as well as the total paint throughput for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

SPECIFIC REQUIREMENTS

AI ID: 9154 - Shaw Sunland Fabricators Inc
 Activity Number: PER20020002
 Permit Number: 1740-0-0040-V2
Air - Title V Regular Permit Renewal

ARE007 2 - Coating Operations (painting)

- 17 Throughput Paint Submit report: Due annually, by the 31st of March. Report the paint throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 18 Paint Throughput <= 39000 gallons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if paint throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
- 19 Which Months: All Year Statistical Basis: None specified Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. [LAC 33:III.5109.A]
- 20 General use coating operations: Organic HAP <= 2.6 lb/gal (0.31 kg/L) coating solids used during each 12-month compliance period. Subpart MMMMM. [40 CFR 63.3890(b)(1)]
- 21 Which Months: All Year Statistical Basis: None specified High performance coating operations: Organic HAP <= 27.5 lb/gal (3.3 kg/L) coating solids used during each 12-month compliance period. Subpart MMMMM. [40 CFR 63.3890(b)(2)]
- 22 Which Months: All Year Statistical Basis: None specified Extreme performance fluoropolymer coating operations: Organic HAP <= 12.4 lb/gal (1.5 kg/L) coating solids used during each 12-month compliance period. Subpart MMMMM. [40 CFR 63.3890(b)(5)]
- 23 Which Months: All Year Statistical Basis: None specified Calculate and comply with a facility-specific emission limit as described in 40 CFR 63.3890(c)(2)(i) through (c)(2)(iii). Subpart MMMMM. [40 CFR 63.3890(c)(2)]
- 24 Demonstrate that, based on the coatings, thinners and/or other additives, and cleaning materials used in the coating operation(s), the organic HAP emission rate for the coating operation(s) is less than or equal to the applicable emission limit in 40 CFR 63.3890, calculated as a rolling 12-month emission rate and determined on a monthly basis. Subpart MMMMM. [40 CFR 63.3891(b)]
- 25 Determine the mass of organic HAP emissions and volume of coating solids used each month and then calculate an organic HAP emission rate at the end of the initial compliance period. Subpart MMMMM. [40 CFR 63.3950]
- 26 Demonstrate initial compliance with the emission limitations in 40 CFR 63.3890 using the test methods and procedures specified in 40 CFR 63.3951(a) through (h). Conduct a separate initial compliance demonstration for each general use, high performance, magnet wire, rubber-to-metal, and extreme performance fluoropolymer coating operation, unless compliance is being demonstrated with a predominant activity or facility-specific emission limit as provided in 40 CFR 63.3890(c). Subpart MMMMM. [40 CFR 63.3951]
- 27 Perform the calculations in 40 CFR 63.3951(a) through (g) on a monthly basis using data from the previous 12 months of operation. If complying with a facility-specific emission limit under 40 CFR 63.3890(c), also perform the calculation using Equation 1 in 40 CFR 63.3890(c)(2) on a monthly basis using the data from the previous 12 months of operation. Subpart MMMMM. [40 CFR 63.3952(a)]
- 28 Identify the coating operation(s) for which the emission rate without add-on controls option was used, and submit as part of each semiannual compliance report required by 40 CFR 63.3920. If there were no deviations from the applicable emission limits in 40 CFR 63.3890, submit a statement that the coating operation(s) was (were) in compliance with the emission limitations during the reporting period because the organic HAP emission rate for each compliance period was less than or equal to the applicable emission limit in 40 CFR 63.3890, determined according to 40 CFR 63.3951(a) through (g). Subpart MMMMM. [40 CFR 63.3952(c)]

ARE008 3 - Welding Operations (manual & robotic)

- 29 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305]
- 30 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- Which Months: All Year Statistical Basis: Six-minute average

SPECIFIC REQUIREMENTS

AI ID: 9154 - Shaw Sunland Fabricators Inc
Activity Number: PER20020002
Permit Number: 1740-00040-V2
Air - Title V Regular Permit Renewal

3 - Welding Operations (manual & robotic)

31 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. [LAC 33:III.5109.A]

ARE008 7 - Spray Gun Cleaning Operation

- 32 Solvent Throughput <= 27650 gallons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if solvent throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 33 Solvent Throughput recordkeeping by electronic or hard copy monthly. Keep records of the total solvent throughput each month, as well as the total solvent throughput for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
- 34 Solvent Throughput monitored by inventory records and calculations continuously. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 35 Submit report: Due annually, by the 31st of March. Report the Solvent throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 36 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. [LAC 33:III.5109.A]
- 37 Demonstrate that, based on the coatings, thinners and/or other additives, and cleaning materials used in the coating operation(s), the organic HAP emission rate for the coating operation(s) is less than or equal to the applicable emission limit in 40 CFR 63.3890, calculated as a rolling 12-month emission rate and determined on a monthly basis. Subpart MMMM. [40 CFR 63.3891(g)]
- 38 Determine the mass of organic HAP emissions and volume of coating solids used each month and then calculate an organic HAP emission rate at the end of the initial compliance period. Subpart MMMM. [40 CFR 63.3950]
- 39 Demonstrate initial compliance with the emission limitations in 40 CFR 63.3890 using the test methods and procedures specified in 40 CFR 63.3951(a) through (h). Conduct a separate initial compliance demonstration for each general use, high performance, magnet wire, rubber-to-metal, and extreme performance fluoropolymer coating operation, unless compliance is being demonstrated with a predominant activity or facility-specific emission limit as provided in 40 CFR 63.3890(c). Subpart MMMM. [40 CFR 63.3951]
- 40 Perform the calculations in 40 CFR 63.3951(a) through (g) on a monthly basis using data from the previous 12 months of operation. If complying with a facility-specific emission limit under 40 CFR 63.3890(c), also perform the calculation using Equation 1 in 40 CFR 63.3890(c)(2) on a monthly basis using the data from the previous 12 months of operation. Subpart MMMM. [40 CFR 63.3952(a)]
- 41 Identify the coating operation(s) for which the emission rate without add-on controls option was used, and submit as part of each semiannual compliance report required by 40 CFR 63.3920. If there were no deviations from the applicable emission limits in 40 CFR 63.3890, submit a statement that the coating operation(s) was (were) in compliance with the emission limitations during the reporting period because the organic HAP emission rate for each compliance period was less than or equal to the applicable emission limit in 40 CFR 63.3890, determined according to 40 CFR 63.3951(a) through (g). Subpart MMMM. [40 CFR 63.3952(c)]

ARE010 8 - Coating Operation (fusion bonding epoxy)

- 42 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7 [LAC 33:III.1305]
- 43 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- Which Months: All Year Statistical Basis: Six-minute average
- 44 Reduce emissions, where feasible, by incineration, provided 90 percent of the carbon in the organic compounds being incinerated is oxidized to carbon dioxide (except as provided in LAC 33:III.2123.D); carbon adsorption of the organic compounds; or any other equivalent means as may be approved by DEQ. [LAC 33:III.2123.A]

SPECIFIC REQUIREMENTS

AI ID: 9154 - Shaw Sunland Fabricators Inc
 Activity Number: PER20020002
 Permit Number: 1740-00040-V2
 Air - Title V Regular Permit Renewal

ARE010 8 - Coating Operation (fusion bonding epoxy)

- 45 VOC, Total <= 3.5 lb/gal of coating as applied (minus water and exempt solvent). [LAC 33:III.2123.C]
- Which Months: All Year Statistical Basis: Daily average
- 46 Determine compliance by the procedure specified in "Control of Volatile Organic Emissions for Existing Stationary Sources. Vol. 2-Surface Coating of Cans, Coils, Paper, Fabric, Autos and Lt. Duty Trucks", (EPA 450/2-77-008), the procedures specified in "Measurement of Volatile Organic Compounds" (EPA-450/2-78-041), a method approved by DEQ or certification from the paint manufacturer concerning the solvent makeup of the paint. Treat exempt solvents the same as water in calculating the VOC content per gallon of coating. [LAC 33:III.2123.D.3]
- 47 Determine compliance with LAC 33:III.2123.A, C, and D by applying the test methods specified in LAC 33:III.2123.E.1 through E.6, as appropriate. [LAC 33:III.2123.E]
- 48 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4 to verify compliance with LAC 33:III.2123. Maintain records for at least two years. [LAC 33:III.2123.F]
- 49 Comply with the requirements of LAC 33:III.2123 as soon as practicable, but in no event later than one year from the promulgation of the regulation revision, if subject to LAC 33:III.2123 as a result of a revision of LAC 33:III.2123. [LAC 33:III.2123.H]

ARE011 11 - Cutting Operations

- 50 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305]
- 51 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. [LAC 33:III.5109.A]

EQT001 1B - Enclosed Blast Cleaning

- 52 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305]
- 53 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- Which Months: All Year Statistical Basis: Six-minute average
- 54 Steel Shot Throughput <= 87600 tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if Steel Shot throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 55 Throughput monitored by inventory records and calculations monthly. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 56 Throughput recordkeeping by invoices/bills of lading monthly. Keep records of the total Steel Shot throughput in tons each month, as well as the total Steel Shot throughput in tons per year for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
- 57 Throughput Submit report: Due annually, by the 31st of March. Report the Steel Shot throughput in tons per year for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

EQT002 5A - Small Wheelabrator

- 58 Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 9154 - Shaw Sunland Fabricators Inc
 Activity Number: PER20020002
 Permit Number: 1740-00040-V2
 Air - Title V Regular Permit Renewal

EQT002 5A - Small Wheelabrator

- 59 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 60 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 61 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 62 Particulate matter (10 microns or less) >= 99.5 % removal efficiency from filter manufacturer's certification. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified

EQT003 5B - Large Wheelabrator

- 63 Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 64 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 65 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 66 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 67 Particulate matter (10 microns or less) >= 99.5 % removal efficiency from filter manufacturer's certification. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified

EQT004 6A - Pipe Stress Relief Furnace

- 68 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1101.B]
- Which Months: All Year Statistical Basis: None specified
- 69 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). [LAC 33:III.1313.C]
- Which Months: All Year Statistical Basis: None specified
- 70 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT005 6B - Pipe Stress Relief Furnace

SPECIFIC REQUIREMENTS

AI ID: 9154 - Shaw Sunland Fabricators Inc
 Activity Number: PER20020002
 Permit Number: 1740-00040-V2
 Air - Title V Regular Permit Renewal

EQT005 6B - Pipe Stress Relief Furnace

71 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1101.B]

Which Months: All Year Statistical Basis: None specified

72 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). [LAC 33:III.1313.C]

Which Months: All Year Statistical Basis: None specified

73 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT006 9 - Metalizing

74 Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

75 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

76 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

77 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

78 Particulate matter (10 microns or less) >= 99.99 % removal efficiency from filter manufacturer's certification. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

79 Identify the coating operation(s) for which the emission rate without add-on controls option was used, and submit as part of each semiannual compliance report required by 40 CFR 63.3920. If there were no deviations from the applicable emission limits in 40 CFR 63.3890, submit a statement that the coating operation(s) was (were) in compliance with the emission limitations during the reporting period because the organic HAP emission rate for each compliance period was less than or equal to the applicable emission limit in 40 CFR 63.3890, determined according to 40 CFR 63.3951(a) through (g). Subpart MMMMM. [40 CFR 63.3952(c)]

EQT007 10 - Gasoline Tank

80 Equip with a submerged fill pipe. [LAC 33:III.2103.A]

81 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

FUG001 4 - Fugitive Road emissions

82 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305]

SPECIFIC REQUIREMENTS

AI ID: 9154 - Shaw Sunland Fabricators Inc
 Activity Number: PER20020002
 Permit Number: 1740-00040-V2
 Air - Title V Regular Permit Renewal

FUG001 4 - Fugitive Road emissions

83 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

GRP002 Entire Facility

84 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1103]

85 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1303.B]

86 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5. [LAC 33:III.2113.A]

87 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.219]

88 Carbon monoxide <= 3.9 tons/yr. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: Annual maximum
 89 Nitrogen oxides <= 13.9 tons/yr. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: Annual maximum
 90 Particulate matter (10 microns or less) <= 53.9 tons/yr. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: Annual maximum
 91 Sulfur dioxide <= 0.7 tons/yr. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: Annual maximum
 92 VOC, Total <= 75.11 tons/yr. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: Annual maximum
 93 Chromium VI (and compounds) <= 3.03 tons/yr. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: Annual maximum
 94 Dichlorobenzene < 0.01 tons/yr. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: Annual maximum
 95 Manganese (and compounds) <= 0.712 tons/yr. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: Annual maximum
 96 Methanol <= 2.83 tons/yr. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: Annual maximum
 97 Toluene <= 18.79 tons/yr. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: Annual maximum
 98 n-Hexane <= 0.08 tons/yr. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: Annual maximum
 99 Cumene <= 0.90 tons/yr. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: Annual maximum

SPECIFIC REQUIREMENTS

AI ID: 9154 - Shaw Sunland Fabricators Inc
 Activity Number: PER20020002
 Permit Number: 1740-00040-V2
 Air - Title V Regular Permit Renewal

GRP002 **Entire Facility**

- 100 Ethyl benzene <= 5.60 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
 101 Methyl ethyl ketone <= 0.95 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
 102 Methyl isobutyl ketone <= 3.82 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
 103 Naphthalene <= 1.07 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
 104 Nickel (and compounds) <= 1.562 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
 105 Xylene (mixed isomers) <= 26.60 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
 106 Benzene <= 0.15 tons/yr. [LAC 33:III.501]
 Which Months: All Year Statistical Basis: Annual maximum
 107 Formaldehyde <= 0.04 tons/yr. [LAC 33:III.501]
 Which Months: All Year Statistical Basis: Annual maximum
 108 Polynuclear Aromatic Hydrocarbons < 0.01 tons/yr. [LAC 33:III.501]
 Which Months: All Year Statistical Basis: Annual maximum
 109 n-butyl alcohol <= 10.90 tons/yr. [LAC 33:III.501]
 Which Months: All Year Statistical Basis: Annual maximum
 110 Submit to DEQ a certification of compliance with all MACT requirements, in accordance with LAC 33:III.5109.D. Include the elements listed in LAC 33:III.5109.E. [LAC 33:III.5109.A.2]
 111 Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology. [LAC 33:III.5109.B.3]
 112 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112. Table 51.2. [LAC 33:III.5109.B]
 113 Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III. Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by the department. [LAC 33:III.5109.C]
 114 Obtain a Louisiana Air Permit in accordance with LAC 33:III.5111.B and C and in accordance with LAC 33:III.1701, before commencement of the construction of any new source. [LAC 33:III.5111.A.1]
 115 Obtain a permit modification in accordance with LAC 33:III.5111.B and C before commencement of any modification not specified in a compliance plan submitted under LAC 33:III.5109.D, if the modification will result in an increase in emissions of any toxic air pollutant or will create a new point source. [LAC 33:III.5111.A.2.a]
 116 Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified. [LAC 33:III.5111.A]
 117 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]

SPECIFIC REQUIREMENTS

A ID: 9154 - Shaw Sunland Fabricators Inc
 Activity Number: PER20020002
 Permit Number: 1740-00040-V2
 Air - Title V Regular Permit Renewal

GRP002 **Entire Facility**

- 118 Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency. Due within 30 days after requested by the administrative authority. [LAC 33:III.5611.A]
- 119 During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations. [LAC 33:III.5611.B]
- 120 Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D. [LAC 33:III.919.D]
- 121 Operate and maintain the affected source, including all air pollution control and monitoring equipment used for the purposes of complying with 40 CFR 63 Subpart MMMMM, according to the provisions in 40 CFR 63.6(e)(1)(i). Subpart MMMMM. [40 CFR 63.3900(b)]
- 122 Submit the notifications in 40 CFR 63.7(b) and (c), 63.8(f)(4), and 63.9(b) through (e) and (h), as applicable, by the dates specified in those sections, except as provided in 40 CFR 63.3910(b) and (c). Subpart MMMMM. [40 CFR 63.3910(a)]
- 123 Include the information specified in 40 CFR 63.3910(c)(1) through (c)(11) and in 40 CFR 63.9(h) in the notification of compliance status required by 40 CFR 63.9(h). Subpart MMMMM. [40 CFR 63.3910(c)]
- 124 Submit compliance status report: Due semiannually, by the 31st of January and July. Include the information specified in 40 CFR 63.3920(a)(3) through (a)(7) and (c)(1), as applicable. Subpart MMMMM. [40 CFR 63.3920(a)]
- 125 Submit startup, shutdown and malfunction report: Due within 2 working days by facsimile, telephone, or other means after starting actions that are inconsistent with the startup, shutdown and malfunction plan. Describe the actions taken during the event. Submit a letter within 7 working days after the end of the event, unless alternative arrangements have been made with DEQ as specified in 40 CFR 63.10(d)(5)(ii). Include the information specified in 40 CFR 63.10(d)(5)(ii). Subpart MMMMM. [40 CFR 63.3920(c)(2)]
- 126 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.3930(a) through (k), as applicable. Subpart MMMMM. [40 CFR 63.3930]
- 127 Keep records in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1). Keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record, as specified in 40 CFR 63.10(b)(1). Keep each record on-site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record according to 40 CFR 63.10(b)(1). Records may be kept off-site for the remaining 3 years. Subpart MMMMM. [40 CFR 63.3931]
- 128 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- 129 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 130 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]
- 131 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(3)(iv)]